had them, but has now hopelessly lost However this may be, lost its legs. the flowers of the sedge are now arstalk bears three or four little branchset-black scales, while the lower spikedo not happen to touch, yet the pollen blown from the one falls forward upon the other, so producing exactly the same result. Indeed, cross-fertilization is brought about in different plants by a hundred such devices; and to observe the various mechanisms by which it is furthered, forms a fresh and almost endless pleasure for every country walk.

## III.

## RED CAMPION AND WHITE,

leads from the village to Culverhole ively, but to village children as red Cliffs is just at present all aglow with and white campion. The corresponda varied wealth of flowers and insect ence of these two names is full of are flitting over the blue masses of bright pink blossom, quite scentless, wild hyacinths; the ladybirds are and opening in the morning. It is busy among the wee green aphides specialized for fertilization by bees on the budding sprays of honeysackle; and butterflies (more particularly the

is possible that it has never had any; and the bronze-mailed beetles are though, judging from its close rela- hunting for smaller insects beside tions and the numerous intermediate the matted stems and roots of the big forms, it is more likely that it once white stitchworts. The gorse has burst into its wonted blaze of blossom, them—as hopelossly as the snake has so bright that one can hardly wonder at Linnaus, who fell upon his knees and thanked God with fervor when ranged in a thoroughly business-like first he looked upon its golden glory. manner for wind fertilization. Each Up to this morning I have counted seventy eight kinds of wild flowers in ing spikelets, the top spikelets consist-blossom, not including catkins or ing altogether of yellow stamens, cov-grasses. And now to-day, for the ered in groups of three by single rus- first time this season, I see the pretty pink clusters of the red campion addlets consist altogether of pistils, with ing their warmer tint to the blues and two or three white feathery plumes yellows and greens of the tangled hanging out to catch the pollen, and bank beside me. Already the buttersimilarly covered by dark sheathing flies have found out that its big bracts. The whole head thus looks swollen buds have opened and made like a group of miniature catkins, the clear the way to the nectaries; and I upper catkins bright yellow and the can notice a great bustling hairy under ones delicately frosted with bumble bee blundering about the fluffy white. The use of this arrange- mouth of one flower on the stalk, ment is obvious. When the wind while half a dozen little flies are shakes the heads so that they bend and gathered around the sticky ealyx of jostle against one another, the tallest another. Evidently the red campion spikelet on each stalk naturally strikes is very successful in its efforts to against the lower spikelets of its neigh-attract the eyes of insects. I saw it bors. Thus each plant fert lizes the distinctly a hundred yards away, and next in order; and even if the heads the butterflies seem to see it quite as well, and a great deal more effectnally.

The campions, indeed, are flowers in which specialization and adaptation have in many respects been carried to an extremely high pitch. True, they cannot compare in complexity with the orchids or the dead-nettles, nor even with the little daisies and dandelions around them. Yet in their own way they have found themselves a place in nature which they are well fitted not only to fill but also to adorn. There are two common kinds in England, known to botanists as THE bank along the footpath that the day and night lychnis respect-The yellow cabbage-butterflies significance. The day lychnic has a

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